

Fig. 1b

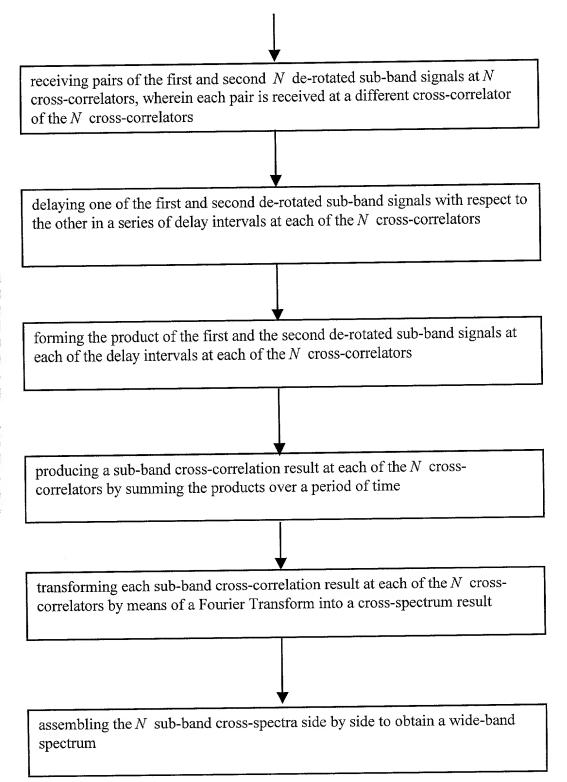


Fig. 1b (continued)

SECOND TO THE FACE

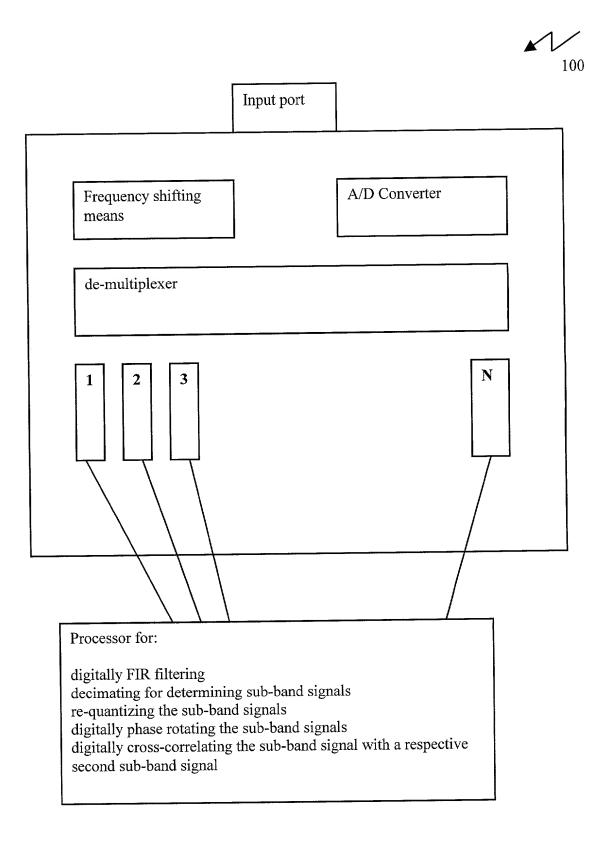


Fig. 1c

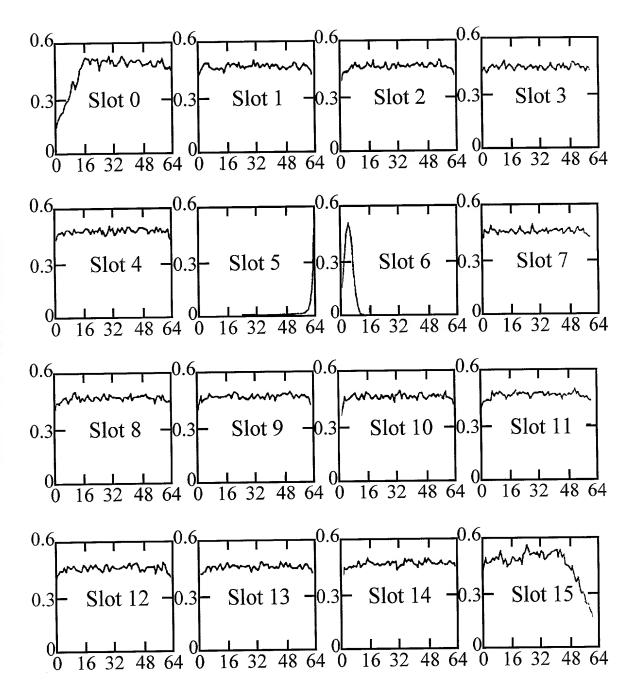
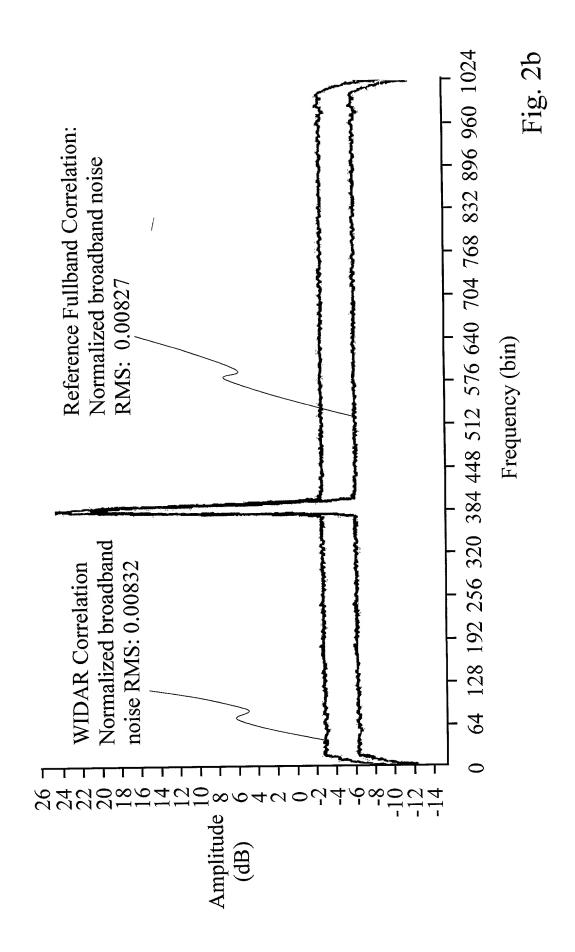
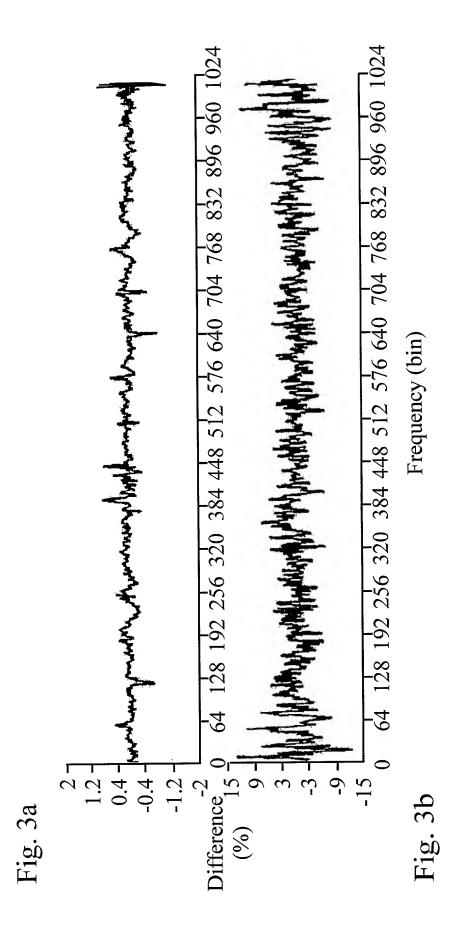
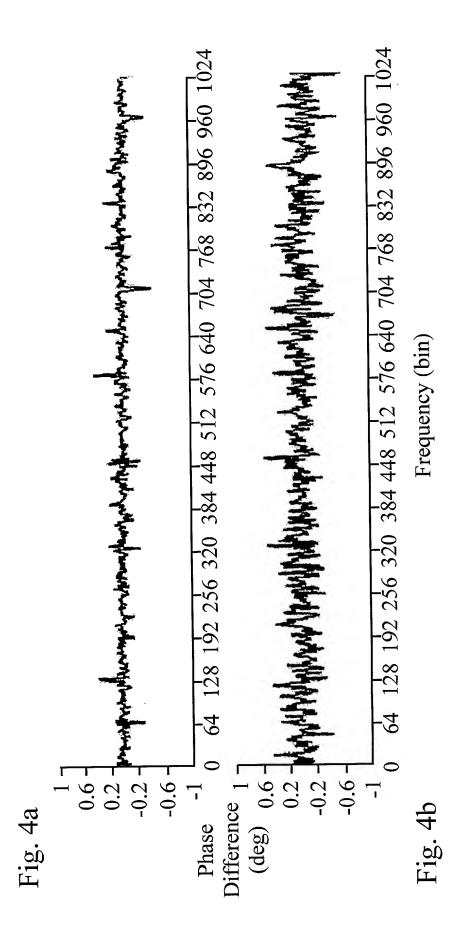


Fig. 2a





1 × ...... 13.42



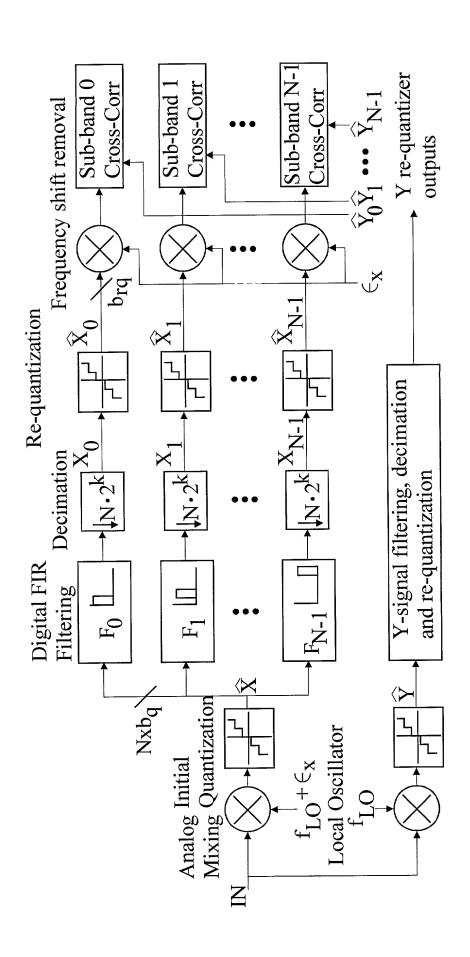
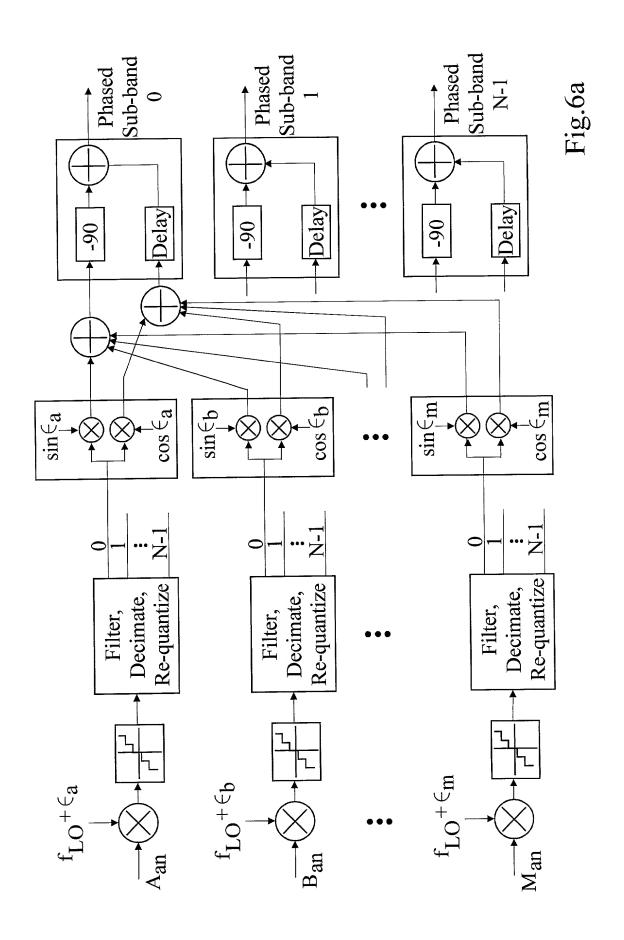


Fig. 5



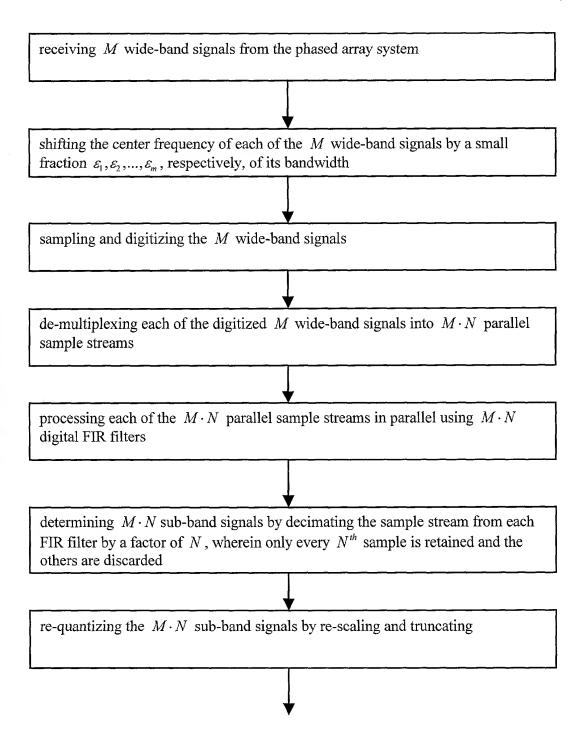


Fig. 6b

complex mixing each of the  $M \cdot N$  re-quantized sub-band signals and off-setting their phase to effect digital sub-sample delay interpolation

90° phase shifting one of two components of each of the complex mixed  $M \cdot N$  sub-band signals

forming multiple beams by adding same sub-band components of the  $M \cdot N$  sub-bands, the same sub-band components being provided by same digital FIR filters

Fig. 6b (continued)